

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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In re Patent Application of:  
YAMAKAWA, et al.

Application No.: 10/748,389

Confirmation No.: 8159

Filed: December 29, 2003

Art Unit: 1797

For: MICROFLUID MOLECULAR-FLOW  
FRACTIONATOR AND BIOREACTOR WITH  
INTEGRATED ACTIVE/PASSIVE  
DIFFUSION BARRIER

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Examiner: Patricia K. Wright

**AMENDMENT IN RESPONSE TO NON-FINAL OFFICE ACTION**

MS AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

**INTRODUCTORY COMMENTS**

In response to the Office Action, dated February 9, 2009, please amend the above-identified U.S. patent application as follows:

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 9 of this paper.